

In Specification:

Please replace the paragraph starting on line 9 of page 55 with the following replacement paragraph.

Endpoint: an endpoint URI (e.g. ~~tcp://129.144.36.190:9701~~ tcp :// 129. 144. 36. 190 : 9701 or ~~http://129.144.36.190:9702~~ http :// 129. 144. 36. 190 : 9702) for each endpoint available on the peer. Please note that URIs, URLs and/or other network addresses included herein are for explanatory purposes only and are not intended to correspond to actual or valid network addresses. As such URIs, URLs and/or other network addresses included herein contain extra spaces to prevent browsers, word processors, or other applications from recognizing them as valid internet links.

Please replace the paragraph starting on line 2 of page 63 with the following replacement paragraph.

In one embodiment, an endpoint advertisement may be used to describe peer transport protocols. In one embodiment, a peer may support one or more transport protocols. In one embodiment, peers may have multiple network interfaces. Typically, there will be one peer endpoint for each configured network interface and/or protocol (e.g. TCP/IP, HTTP). An endpoint advertisement may be included as a tag field in a peer advertisement to describe the endpoints available on the member peer. In one embodiment, an endpoint advertisement document may be published and obtained either by using the core discovery service or by embedding it within other advertisements such as the peer advertisement. Each endpoint advertisement may include transport binding information about each network interface or transport protocol. Endpoints may be represented with a virtual endpoint address that may include all necessary information to create a physical communication channel on the specific endpoint transport. For example, "~~tcp://123.124.20.20:1002~~" "tcp :// 123. 124. 20. 20 : 1002" or "~~http://134.125.23.10:6002~~" "http :// 134. 125. 23. 10: 6002" are strings representing endpoint addresses. Figure 11 illustrates the content of an endpoint advertisement

according to one embodiment. The following is an example of one embodiment of an endpoint advertisement in XML, and is not intended to be limiting:

Please replace the paragraph starting on line 29 of page 68 with the following replacement paragraph.

- Peer Connection: Before a message can be sent to a HTTP server peer, the HTTP client may be required to send a request for connection to the other peer. The request for connection message may use the empty header type. The message may be sent using a GET request to the following server URL: ~~http://ip-name:port/reg/client-peerid/~~ http://ip-name:port/reg/client-peerid/. ip-name specifies the IP of the server peer and the port is the corresponding server port number (8080 for example). The server replies with an empty message containing either a request succeeded or request failed header type. The peer connection message may be used to create a client session on the receiving peer. The receiving peer may decide to reject the connection and refuse the client connection. This corresponds to a client registration.

Please replace the paragraph starting on line 10 of page 69 with the following replacement paragraph.

- Message Sending: To send a message to another peer server, the client sends a message of the response type with a message body part. The server replies with an ok or failed message. The message is sent to the following URL using the PUT method: ~~http://ip-name:port/snd/~~ http://ip-name:port/snd/. The server replies with a message including a request succeeded or request failed header type.

Please replace the paragraph starting on line 15 of page 69 with the following replacement paragraph.

- Message Retrieving: To retrieve messages from a peer server, the client may send a GET request message with the empty header tag to the following URL:
~~http://ipname:port/rec/client-peerid/~~ http :// ipname : port / rec / client-peerid /.
The server replies with may respond with a message failed message or with a Content message including the messages retrieved.